

## CLAIMS

1. A method of backing up data stored in a portable telephone (10) such as a cellular phone, a personal handy phone, a car telephone, a maritime mobile radiotelephone, a satellite cellular phone machine or the likes, said  
5 method comprising the steps of automatically transmitting data such as at least control information or setup function information required for operating said portable telephone, telephone call information of telephone numbers, arrival telephone numbers, dispatch telephone numbers, call time and so on set and stored in said portable telephone in association with a telephone call  
10 operation when a voice signal begins to be delivered and received for the telephone call between said portable telephone and a host office (12) via a radio signal and storing said data transmitted from said portable telephone in a data backup equipment (14) provided in or connected to said host office whereby said data stored in said portable telephone are backed up.

15 2. A data backup method for a portable telephone as set forth in claim 1 and characterized by automatically transmitting to said host office said data such as control information or setup function information required for operating said portable telephone, a telephone call information of telephone numbers, arrival telephone numbers, dispatch telephone numbers,  
20 call time and so on or other arbitrary data set and stored in said portable telephone at an arbitrary time set by a timer (26).

3. A data backup method for a portable telephone as set forth claim 1 or 2 and characterized by further comprising the step of feeding back to said portable telephone said data stored in said data backup equipment provided  
25 in or connected to said host office whereby said data is re-memorized in said portable telephone.

4. A data backup method for a portable telephone as set forth in either of claims 1 through 3 and characterized by further comprising the step of

arbitrarily selecting and setting said data to be transmitted to said host office or said data to be fed back to said portable telephone from said data backup equipment provided in or connected to said host office.

5 5. A data backup method for a portable telephone as set forth in either  
of claims 1 through 4 and characterized by further comprising the step of  
automatically processing or converting into other information said data  
transmitted from said portable telephone to said data backup equipment  
provided in or connected to said host office in case that said data have such  
predetermined conditions as said data are required to be processed whereby  
10 said processed or converted data are fed back.

09980055-112901  
15 6. A portable telephone (10) such as a cellular phone, a personal  
handy phone, a car telephone, a maritime mobile radiotelephone, a satellite  
cellular phone machine or the likes equipped with a telephone call section  
which delivers and receives a voice signal through a radio signal between said  
portable telephone and a host office (12) so as to enable a telephone call with  
a called person, said portable telephone characterized by comprising a data  
transmitter section (16) to automatically transmit data such as control  
information or setup function information required for operating said  
portable telephone, a telephone call information of telephone numbers,  
20 arrival telephone numbers, dispatch telephone numbers, call time and so on  
set and stored in said portable telephone in association with a telephone call  
operation when a voice signal begins to be delivered and received for said  
telephone call between said portable telephone and said host office via said  
radio signal.

25 7. A portable telephone as set forth in claim 6, and wherein said data  
transmitter section characterized by automatically transmitting to said host  
office said data such as control information or setup function information  
required for operating said portable telephone, a telephone call information of

telephone numbers, arrival telephone numbers, dispatch telephone numbers, call time and so on or other arbitrary data set and stored in said portable telephone at an arbitrary time set by a timer (26).

8. A portable telephone as set forth in claim 6 or 7, and characterized  
5 by further comprising a data feedback section (32) to feed back to said portable telephone said data stored in said data backup equipment provided in or connected to said host office whereby said data is re-memorized in said portable telephone.

9. A portable telephone as set forth in claim 6 or 7, and characterized  
10 by further comprising a telephone side data selection section (36) to arbitrarily select and set said data to be transmitted to said host office by said data transmitter section or said data to be fed back to said portable telephone from said host office by said data feedback section.

10. A data backup equipment (14) for backing up data stored in a  
15 portable telephone (10) such as a cellular phone, a personal handy phone, a car telephone, a maritime mobile radiotelephone, a satellite cellular phone machine or the likes, said data backup equipment characterized by comprising a notification section (30) to automatically notify said portable telephone at an arbitrary time set by a timer (28) that data such as control  
20 information or setup function information required for operating said portable telephone, a telephone call information of telephone numbers, arrival telephone numbers, dispatch telephone numbers, call time and so on set and stored in said portable telephone should be transmitted to a host office (12).

25 11. A data backup equipment (14) for backing up data stored in a portable telephone (10) such as a cellular phone, a personal handy phone, a car telephone, a maritime mobile radiotelephone, a satellite cellular phone machine or the likes, said data backup equipment characterized by

comprising a data read section (42) provided in or connected to a host office (12) which delivers and receives a voice signal through a radio signal between said portable telephone and said host office so as to enable a telephone call with a called person to automatically read data such as control information or setup function information required for operating said portable telephone, a telephone call information of telephone numbers, arrival telephone numbers, dispatch telephone numbers, call time and so on set and stored in said portable telephone in association with a telephone call operation when said voice signal begins to be delivered and received for said telephone call between said portable telephone and said host office via said radio signal whereby said data read by said data read section are stored.

12. A data backup equipment for a portable telephone as set forth in claim 11, and wherein said data read section automatically reads said data such as control information or setup function information required for operating said portable telephone, a telephone call information of telephone numbers, arrival telephone numbers, dispatch telephone numbers, call time and so on or other arbitrary data set and stored in said portable telephone at an arbitrary time set by a timer (28).

13. A data backup equipment for a portable telephone as set forth in either of claims 10 through 12, and characterized by further comprising a feedback data transmitter section (34) to feed back said stored data to said portable telephone whereby said data is re-memorized in said portable telephone.

14. A data backup equipment for a portable telephone as set forth in either of claims 10 through 13, and characterized by further comprising a host office side data selection section (38) to arbitrarily select and set said data to be read from said portable telephone by said data read section or said data to be fed back to said portable telephone by said feedback data

transmitter section.

15. A data backup equipment for a portable telephone as set forth in  
either of claims 10 through 14, and characterized by further comprising a  
data process section (40) to automatically process or convert into other  
5 information said data received from said portable telephone in case that said  
data have such predetermined conditions as said data are required to be  
processed.

10

15

20

25